Alameda Aero Club

Piper Arrow PA28R-180 Checkout

1. What is the fuel capacity? Total \_\_\_\_\_\_\_\_\_ Useable \_\_\_\_\_\_\_\_\_

 Tabs Total \_\_\_\_\_\_\_\_\_ Tabs Useable \_\_\_\_\_\_\_\_\_

1. Required fuel grades? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. What is the total oil capacity? Type of oil? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. What is the minimum safe quantity of oil? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. What are the following speeds?

VNE \_\_\_\_\_\_\_\_\_\_ VR \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

VNO \_\_\_\_\_\_\_\_\_\_ VLE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

VA @ 2500 lbs \_\_\_\_\_\_\_\_\_\_ VLO \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

VA @ 1865 lbs \_\_\_\_\_\_\_\_\_\_

VFE \_\_\_\_\_\_\_\_\_\_ VX gear up, flaps up \_\_\_\_\_\_

VG \_\_\_\_\_\_\_\_\_\_ VX gear down, flaps up \_\_\_\_\_\_

VS \_\_\_\_\_\_\_\_\_\_ VY gear up, flaps up \_\_\_\_\_\_

VSO \_\_\_\_\_\_\_\_\_\_ VY gear down, flaps up \_\_\_\_\_\_

Approach speed \_\_\_\_\_\_\_\_\_\_ Enroute climb speed \_\_\_\_\_\_

Max demonstrated crosswind component \_\_\_\_\_\_\_\_

1. When should the electric fuel pump be used?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. How many fuel sumps and where are they located? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. How often should you switch tanks? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. What is the procedure for switching fuel tanks? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. Explain the propeller. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. Where is the prop lever when starting the engine? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. What is the max RPM? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. What is the Cold Start Engine procedure? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
8. What is the Hot Start Engine Procedure? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
9. How do you start the engine when it’s been flooded? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
10. How is the landing gear actuated? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
11. What is the normal extension/retraction time of the landing gear? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
12. What is the procedure for the emergency gear extension? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
13. What may be a cause of the landing gear lights (down and locked) to not be lit? \_\_\_\_\_\_\_\_\_\_\_\_\_
14. What is the indication for the landing gear position? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
15. What is the warning system for the landing gear, and when is it actuated? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
16. Describe the go around procedure. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
17. What is the procedure in the event of a propeller overspeed? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
18. What is the fuel burn at speed power performance in cruise at

 75%\_\_\_\_\_\_\_\_\_\_\_ 65% \_\_\_\_\_\_\_\_\_\_\_\_ 55% \_\_\_\_\_\_\_\_\_\_\_

Given max gross weight, no wind, 25° flaps, Full throttle before brake release:

1. What is the takeoff distance (ground roll & clearing a 50’ obstacle) at sea level, 75° F?\_\_\_\_\_\_\_\_\_\_\_\_
2. What is the takeoff distance (ground roll & clearing a 50 ft. obstacle) at 5,000’ MSL at 90° F?\_\_\_\_\_
3. What is the landing distance and ground roll over a 50’ obstacle at sea level and 75° F?\_\_\_\_\_\_\_\_\_\_\_
4. What is the landing distance and ground roll over a 50’ obstacle at 5,000’ and 90°F?\_\_\_\_\_\_\_\_\_\_\_\_\_
5. What is the maximum takeoff weight? Landing weight? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. What is the maximum weight for the baggage area? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. What is the useful load? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Calculate a weight and balance for today’s flight.

 Weight Arm Moment

 Basic Empty Weight \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

 Pilot & Front Passenger \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

 Rear Passengers \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

 Baggage \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

 Fuel (6 lbs/gallon) \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

 Ramp weight \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_

 Fuel Allowance for engine start, taxi, run up \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_

 Takeoff Weight \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_

 CG \_\_\_\_\_\_\_\_\_

Piper Arrow Checkout Flight

As designated by the instructor and as applicable to the certificate and rating held:

* Slow Flight
* Steep turns
* Power off stall/power on stall
* Emergency
* Landing Gear operations, normal and emergency
* Propeller operations
* Short field, soft field, no flap, and forward slip landings, power off 180 accuracy
* Go around

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ has satisfactorily completed Alameda Aero Club’s aircraft checkout in the Piper Arrow.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_CFI \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Certificate number

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date